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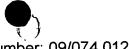
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/074,012	05/05/1998	SHIGEYOSHI YOSHIDA	0694-121	1497	
75	90 11/15/2002				
Bradley N. Ruben			EXAMINER		
463 First St., Su Hoboken, NJ (	ite 5A		PIANALTO, E	), BERNARD D	
,			ART UNIT	PAPER NUMBER	

1762

DATE MAILED: 11/15/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

				(P)				
	Application No		Applicant(s)					
•	09/074,012	₹ 1	YOSHIDA ET AL.					
Office Action Summary	Examiner		Art Unit					
	Bernard D	Pianalto	1762	dvana				
The MAILING DATE of this communication appeariod for Reply				aress				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).  Status	136(a). In no event, how ply within the statutory m d will apply and will expirate, cause the application ing date of this communic	vever, may a reply be ti inimum of thirty (30) da e SIX (6) MONTHS fror to become ABANDON eation, even if timely file	mely filed ys will be considered timel n the mailing date of this co	y. ommunication.				
1) Responsive to communication(s) filed on 24	July 2004 : 11-	4-02						
2a) This action is FINAL. 2b) ⊠ 7	This action is non-	final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4)⊠ Claim(s) <u>10-21</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdo	rawn from conside	eration.						
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>10-21</u> is/are rejected.								
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restriction and	or election requir	ement.						
Application Papers								
9)☐ The specification is objected to by the Exami								
10) The drawing(s) filed on is/are: a) acc	cepted or b)☐ obje	cted to by the Ex	aminer.					
Applicant may not request that any objection to	the drawing(s) be h	eld in abeyance.	See 37 CFR 1.85(a).					
11) The proposed drawing correction filed on			roved by the Examir	iei.				
If approved, corrected drawings are required in		action.						
12)☐ The oath or declaration is objected to by the	Examiner.							
Priority under 35 U.S.C. §§ 119 and 120		05.11.0.0.5.440	(a) (d) or (f)					
13) Acknowledgment is made of a claim for fore	ign priority under	35 U.S.C. § 119	(a)-(d) or (i).					
a) ☐ All b) ☐ Some * c) ☐ None of:		:						
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority docume	ents have been re	ceivea in Applica	alion No	l Stage				
<ul> <li>3. Copies of the certified copies of the properties o</li></ul>	Bureau (PC i Ruie	∋ 17.2(a)).		Glage				
14) Acknowledgment is made of a claim for dome	estic priority under	35 U.S.C. § 119	e) (to a provisiona	al application).				
a) The translation of the foreign language	provisional applica	ation has been re	eceived.					
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) [ 5) [ 5) . 6) [	Notice of Informa	ary (PTO-413) Paper N al Patent Application (P	o(s) TO-152)				
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s	·) ·							



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## **DETAILED ACTION**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

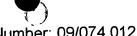
A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 10, 11,15 and 17-21 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Hartman. The Hartman reference discloses in col.1, lines 9-20, col.4, lines 5-59, col.5, lines 1-10 and col.7, lines 45-68 a tape comprising a substrate having a conductive plate layer and a layer comprising soft magnetic particles and alumina particles dispersed in an amide polymer binder on the conductive layer. A heat sink can be attached to the tape. The arrays of Hartman encompass the integrated circuits and circuit boards claimed since arrays are integrated circuits arranged on a circuit board and their electrical terminal are connected with the Hartman tape. It is the examiner's opinion that applicants' article is at the very least an obvious variation of the Hartman article. The Hartman article would inherently suppress electromagnetic interference since the Hartman article and the claimed article are the same. In addition, the presently claimed property of electromagnetic interference suppression would obviously have been present once the





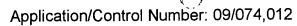
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Hartman product is provided. Note In re Best, 195 USPQ at 433, footnote 4 (CCPA 1997) as to the providing of this rejection made above under 35 USC 102.

Claims 10 and 11 are further rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over either Goto et al or Horie et al. The Goto et al and Horie et al references both disclose articles comprising soft magnetic particles and alumina particles dispersed in polymer binders. See col.3, lines 42-65 and col.4, lines 1-20 of Horie et al and col.9, lines 20-54 of Goto et al. It is the examiner's opinion that applicants' article is at the very least an obvious variation of the Goto et al or Horie et al article. The articles of Goto et and Horie et al would inherently suppress electromagnetic interference since the claimed articles and the references are the same. In addition, the presently claimed property of electromagnetic interference suppression would obviously have been present once the Goto et al and Horie et al products are provided. Note In re Best, 195 USPQ at 433, footnote 4 (CCPA 1997) as to the providing of this rejection made above under 35 USC 102.

Claims 12,13 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hartman, Horie et al or Goto et al for the same reasons as urged in the above paragraphs in view of Takahashi et al. The primary references fail in anticipation of Claims 12,13 and 14 in that they do not disclose an article in sheet form having a polyamide binder having the claimed glass transition temperature. The Takahashi et al reference discloses in col.6, lines 5-56 and col.8, lines 65-68 a magnetic device comprising soft magnetic material and alumina dispersed in a polyamide resin binder having a glass transition temperature within the claimed range. It is the examiner's



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opinion that it would have been obvious for one of ordinary skill in this art at the time the invention was made to substitute the binder of Takahashi et al for the binder of Hartman since the secondary reference discloses that high electromagnetic conversion characteristics result. It is also the examiner's opinion the sheet shape claimed does not distinguish over the reference articles since changes of size, degree, shape, proportion and sequence of adding ingredients are considered obvious modifications. See In re Rose, 105 USPQ 237; In re Aller et al 105 USPQ 233; In re Daily et al 149 USPQ 47; In re Reese 129 USPQ 402 and In re Gibson 5 USPQ 230.

Claims 10-13 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Takahashi et al. for the same reasons as urged in the above paragraph. The suppression of electromagnetic radiation interference would be inherent in the Takahashi et al article since the reference article and the claimed article are the same. In addition, the presently claimed property of electromagnetic interference suppression would obviously have been present once the Takahashi et al product is provided. Note In re Best, 195 USPQ at 433, footnote 4 (CCPA 1997) as to the providing of this rejection made above under 35 USC 102.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hartman for the same reasons as urged above taken with either Ogawa et al or Takahashi et al. Each of these references discloses in the abstract a magnetic device comprising a backing having two magnetic layers. It is the examiners opinion that it would have been obvious for one of ordinary skill in this art at the time the invention was made to



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substitute a two layer system for the one layer system of Hartman since both references disclose that high electromagnetic conversation characteristics result.

The restriction of 3-19-01 is still considered proper but modified to include the claims of group II with the claims of Group I.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard D Pianalto whose telephone number is 703 308 2332. The examiner can normally be reached on Mo - Wed 5:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive P Beck can be reached on 703 308 2333. The fax phone numbers for the organization where this application or proceeding is assigned are 703 305 3599 for regular communications and 703 305 3599 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 306 5665.

39 <del>20</del> Jul<del>y 31, 2001</del> NOV. 13, 2002

> BERNARD PIANALTO PRIMARY EXAMINER